Portable compact disc player AZ6811/00/01/05/10/17

Service
Service
Service

AZ6812/17
AZ6813/00/01/05/17

ServiceManual

COMPACT disc DIGITAL AUDIO

Contents

Specification	2
Key-functions, shut off-functions, connections	3-4
Block diagram	5-6
Wiring diagram	7-8
Abbreviations	9
Service test program	10-11
Remote control - RC5 code	11
Service tools	11
Circuit diagram "SIGNAL & CONTROL PART"	12-14
Printed circuit board	15-16 / 19-20
Adjustment table	18
Circuit diagram "SERVO & LF-PART"	21-23
Exploded view	24-25
Mechanical partslist	26
Electrical partslist	27-29

(S)
Varning!
Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betakta ej strålen.

(DK)
Advarsel!
Usynlig laserstråling ved abning når sikkerhedsafbrydere er une af funktion. Undgå udsaettelse for stråling.

(SF)
Varoitus!
Laite sisältaa laserdiodin, joka lähettää näkymätöntä silmille vaarallista lasersäteilyä.

CLASS 1
LASER PRODUCT
3122 110 03420

*Pour votre sécurité, ces documents soivent être utilisés par des spécialistes agrées, seuls habilités à réparer votre appareil en panne".

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4822 725 23383

SPECIFICATION

GENERAL:

AC/DC-ADAPTOR

Type	:	SBC 6608
Mains	:	220 V / 50 Hz 120 V / 60 Hz for /17
DC out	:	6,3 V stabilized / 400 mA max.
Power Consumption	:	8 W max.

BATTERY

Type	:	4 x R6 (6 V nom.)
Lifetime	:	6,5 hours at stationary mode
Power Consumption	:	1,5 W max. (500 μW in stand by)

ACCU-PACKAGE

Type	:	SBC 6411
Input voltage	:	6 - 7 V DC stabilized
Charging current	:	200 mA
Charging time	:	6 hours
Accu-output	:	4 V / 0,6 Ah

HEADPHONE

Type	:	SBC 3124
Frequency response	:	20 - 20.000 Hz
Impedance	:	32 Ohms at 1kHz
Maximum power input	:	20mW

CD-PART:

Frequency response	:	20 - 20.000 Hz ± 4 dB
S/N ratio	:	80 dB min.
THD	:	0,2 % max. at 1 kHz
Output power	:	2 x 20 mW max. into 32 Ohms
Line output level	:	0,6 V_{rms} typ.
Channel difference	:	2 dB max.
Channel crosstalk	:	-50 dB min. at 1 kHz
Deemphasis	:	0 or 15/50 μs switched automat. by subcode on the disc
DAC	:	Dual 16 bit, 4 f_s

LASER:

Output power	:	5 mW max. (3 mW typ.)
Wavelength	:	780 nm

(GB) WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD).
Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance.
Keep components and tools also at this potential.

ESD

(NL) WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).
Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen.
Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.
Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

(F) ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).
Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.
Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.
Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).
Unsorgfältige Behandlung im Reparaturfall kan die Lebensdauer drastisch reduzieren.
Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.
Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).
La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione alla loro manipolazione.
Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

(NL)

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

(F)

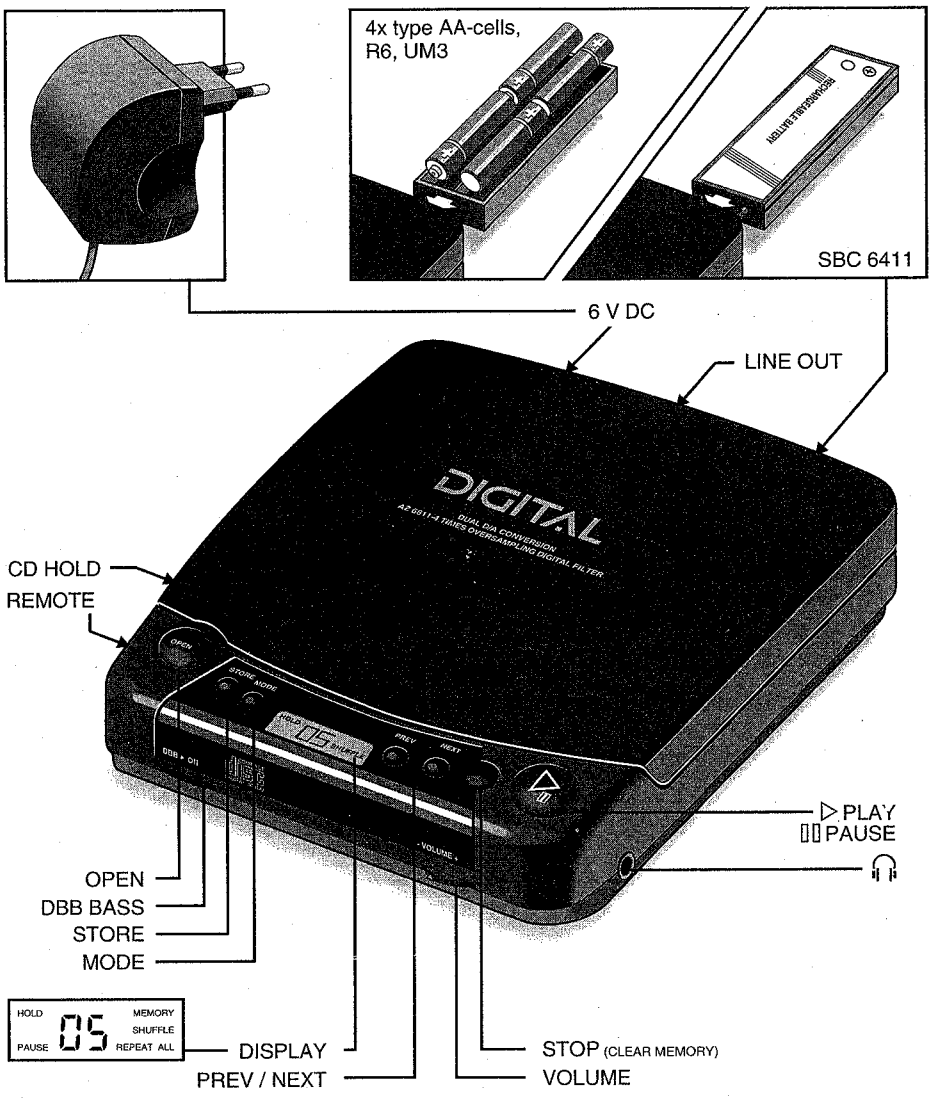
Les normes de sécurité exigent que l'appareil soit remis à l'etat d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht veränderd werden für Reparaturen sind Original-Ersatzteile zu verwenden.

(I)

Le norme di sicurezza esigono che l'appareccio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambiago identici a quelli specificati.

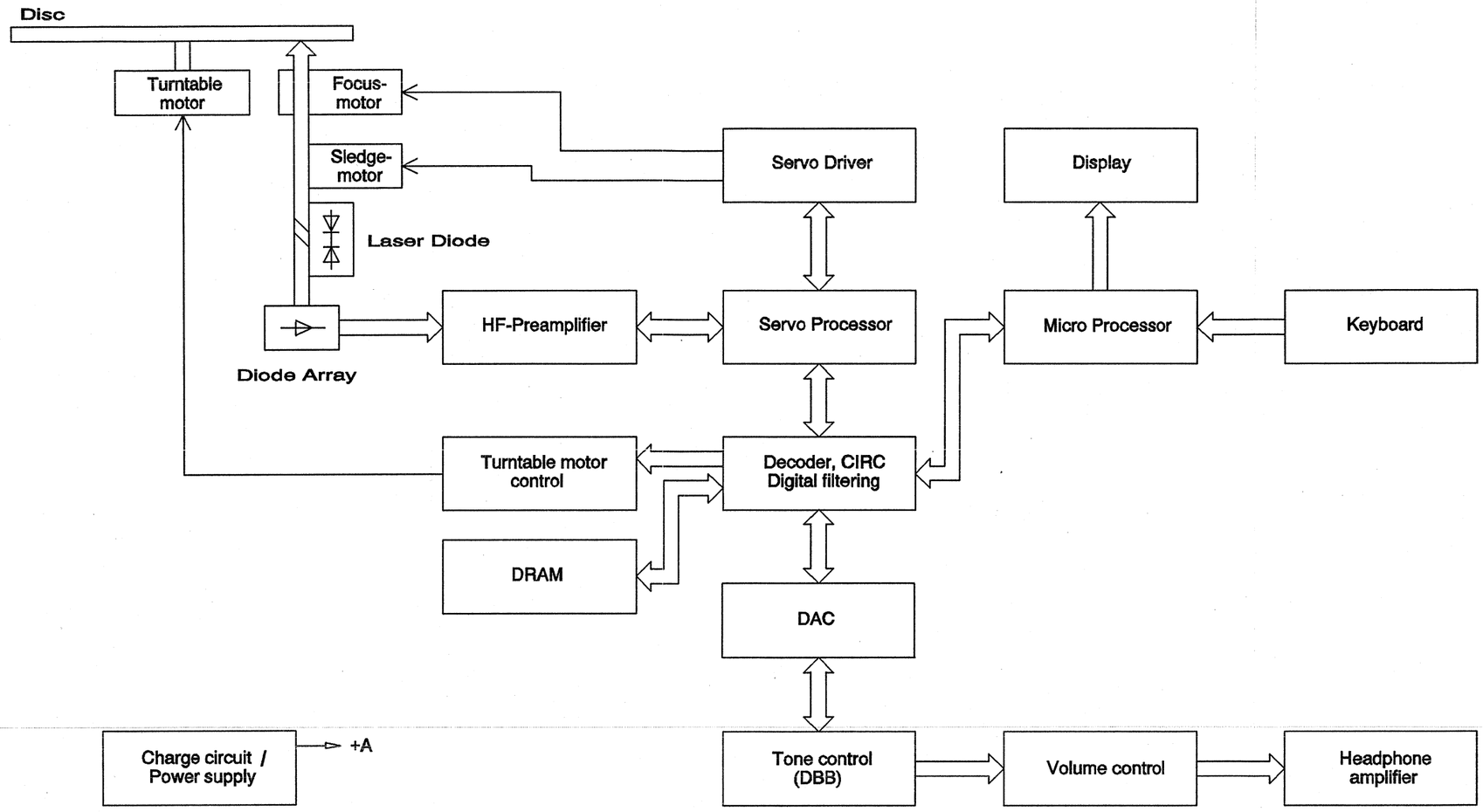

4x type AA-cells,
R6, UM3
SBC 6411
6 V DC
LINE OUT
DIGITAL
CD HOLD
REMOTE
OPEN
DBB BASS
STORE
MODE
DISPLAY
PREV / NEXT
STOP (CLEAR MEMORY)
VOLUME
PLAY
PAUSE
HOLD
PAUSE
MEMORY
SHUFFLE
REPEAT ALL

KEY-FUNCTIONS, POWER ON / OFF, SHUT OFF FUNCTIONS, CONNECTIONS

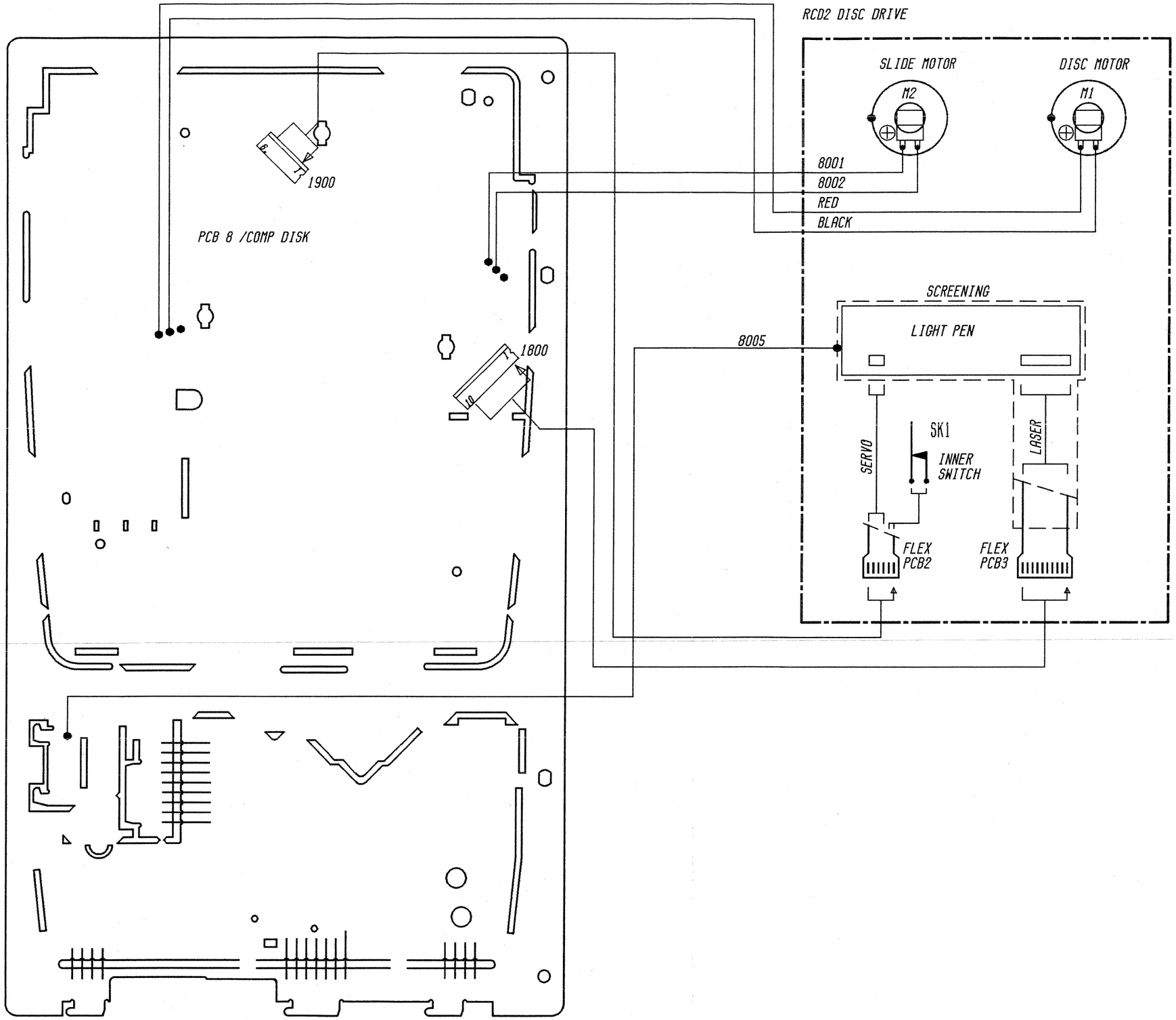
KEY-FUNCTION	CONDITION	ACTION
PLAY	POWER OFF	Starts playing the first track
	POWER ON / STOP	Starts playing the first or the preselected title or the first programmed title or the first randomized title
	POWER ON / PLAY	Toggles between PLAY/PAUSE
STOP	PLAY	Set goes into STOP-mode
	STOP	Clears the program, "C" is shown for 500ms in the display
NEXT	STOP	Selects the next track which is shown in the display
	PLAY	Skips forward to next track
	PLAY / MEMORY	Skips to the next programmed title
	PLAY / SHUFFLE	Skips to the next shuffled title
	KEY DEPRESSED FOR MORE THAN 0.5s	Fast forward till the key is released, high speed after 6s
PREV	STOP	Selects the previous track which is shown in the display
	PLAY	If more than 2s of the current title are played the set plays this title again, else it skips back to the previous track
	PLAY / MEMORY	Skips to the previous programmed title if less than 2s
	PLAY / SHUFFLE	Plays this title again
	KEY DEPRESSED FOR MORE THAN 0.5s	Fast backward till the key is released, high speed after 6s
MODE	POWER ON	Scrolls the functions SHUFFLE, SHUFFLE REPEAT ALL, REPEAT ALL, REPEAT
STORE	POWER ON	Stores the selected title and shows "P" for 500ms in the display
	KEY DEPRESSED FOR MORE THAN 3s	Shows all programmed titles blinking in the display (DISPLAY MEMORY)
CD-FUNCTION	**CONDITION**	**ACTION**
CLOSE DOOR	POWER OFF	Power on - Start up - Read TOC - Stop - Show max. title
OPEN DOOR	POWER ON / OFF	Power off - Clear display - Clear TOC - Clear program
HOLD	POWER ON	All keys are ignored, HOLD flag is shown on the display.
	POWER OFF	It's not possible to switch on the set with the PLAY button to prevent unintentional power consumption.
SHUT OFF	STOP	The set shuts off after approx. 30s since the last physical action. If a program is stored the shut off time is 3min.
	AC/DC ADAPTOR CONNECTED & STOP	The set goes after 30s into STANDBY (display off, LF-part off, servo part off). The set can be "waked up" using the remote control.

CONNECTION	
6 V DC	Socket for the mains adaptor / battery charger SBC 6608
PHONES	Headphone output
LINE OUT	Linear output for hifi-systems
REMOTE	Socket for the optional IR remote control SBC 6209 or the wired remote control SBC 6211

BLOCKDIAGRAM



WIRING DIAGRAM

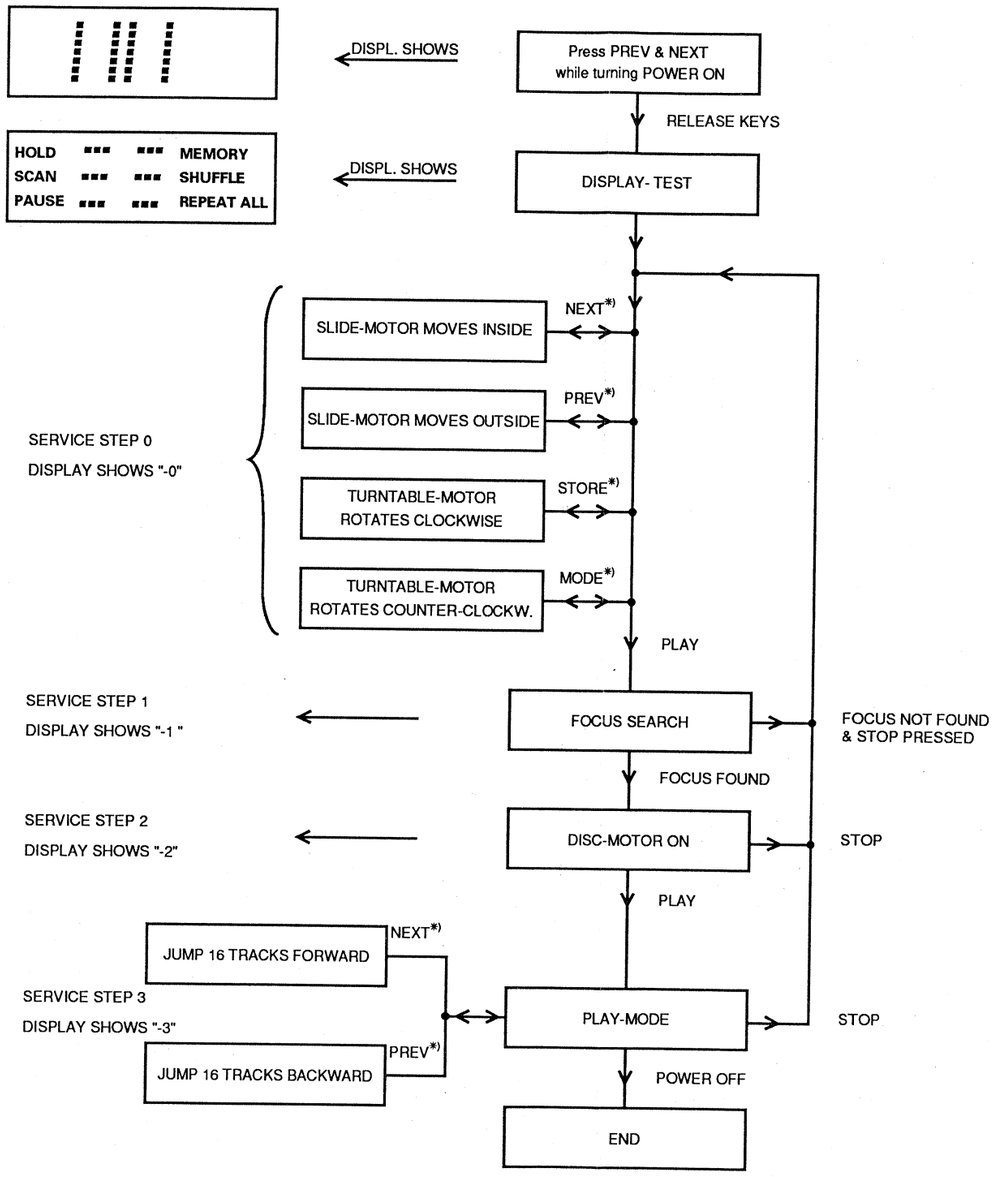


ABBREVIATIONS

A - F	:	Photodiode array outputs
ACLR*	:	µCOM interface register clear input
ACLR*	:	All clear input
ACRCY	:	Clock accuracy input
AOL	:	Analog output left channel
AOR	:	Analog output right channel
APTL	:	DAC sampling clock left channel
APTR	:	DAC sampling clock right channel
BCK	:	Bit clock input
BIAS	:	Outputs reference voltage (VCC/2 at single supply voltage)
C FSR	:	Connects the external capacitance for time constant of focus search
C16MI	:	1/2 divider input with internal feedback resistor
C423	:	Clock output 4,2336MHz
C846	:	Clock output 8,4672MHz
C8MO	:	1/2 divider output
CAS*	:	Column addr. strobe signal output to RAM
COM	:	Common
CRCF	:	Subcode Q CRC check flag output
DASEL1-4	:	Selection of DAC interface format
DATA OUT	:	Inner condition output changed by command modes
DLRCK	:	Left/right channel clock
DM1 / DM2	:	Turntable motor driving outputs
DO1	:	Dual DAC right channel serial data output
DO2	:	Dual DAC left channel serial data output
DOBSEL	:	Data bit select (18 bit = "H")
DOFK	:	Frame clock output 7,35kHz (duty = 50%)
DOTX	:	Output of digital interface
DRD	:	Disc rotation down signal output
DSCK	:	Data shift clock to DAC
EFFK	:	EFM frame clock output (duty = 50%)
EFM	:	Eight to fourteen modulation
EMP	:	Emphasis flag output (Emphasis = "H")
EST1	:	Error status1 (Error detected at C1-decoder)
EST2	:	Error status2 (Error to be interpolated detected at C2-decoder)
FG	:	Focus gain switch output
FS OUT	:	Focus servo amplifier output
FS+ / FS-	:	Focus servo amplifier positive / negative input
FSCK	:	Clock output 44,1kHz (f_s)
FSR IN	:	Focus search detector input
GND	:	Ground 0V
HF	:	High frequency signal input
HF OK	:	HF OK signal input
HFD*	:	High frequency signal detection
HFD*	:	Outputs "H", when MR = "H" and tracking servo loop cuts off
HOUT 2A/2B	:	Sledge motor driving PWM outputs
HOUT 3A/3B	:	Track servo driving PWM outputs
HOUT 4A/4B	:	Focus servo driving PWM outputs
IREF	:	Current reference
JMP	:	Outputs "H" under jump function
JP1*, JPI*	:	1 track jump control signal input (usually "H")
LOCK/DRD	:	Lock status / Disc rotation down signal output
LPF	:	PLL loop filter
LRCK	:	Left/right channel clock to DAC or APTR clock
MCK	:	µCOM interface shift clock input
MLA*	:	µCOM interface data latch clock input
MR	:	Mirror detected signal input
MSD	:	µCOM interface serial data input
NC	:	No conection
PWM1-2	:	Turntable motor driving PWM outputs
RAD0-7	:	Address output 0-7 to RAM
RAS*	:	Row address strobe signal output to RAM
RDB1-4	:	Data input/output 1-4 to RAM
SBCP	:	Subcode P channel output, P - W channel serial data output
SBCQ	:	Subcode Q channel output
SBCR	:	Subcode R channel output
SBCS	:	Subcode S channel output
SBCT	:	Subcode T channel output
SBCU	:	Subcode U channel output
SBCV	:	Subcode V channel output
SBCW	:	Subcode W channel output
SCCK	:	Shift clock input for serial subcode data output
SCINT	:	Interrupt output of subcode Q
SCOE1	:	Enable input of subcode T-W channel output
SCOE2	:	Enable input of subcode P-S channel output
SCOR	:	Subcode sync. output
SHOCK	:	Shock detector signal input
SQRCK	:	Subcode Q register
SQRO	:	Subcode Q register output
SS OUT	:	Sledge servo amplifier output
SS+ / SS-	:	Sledge servo amplifier positive / negative input
SYCLK	:	Frame lock status output (Lock = "H")
TB	:	Tracking balance input
TC IN	:	Track cross signal input
TE IN	:	Track error signal input
TE OUT	:	Track error amplifier output
TE-	:	Track error amplifier negative input
TEST1	:	Test control input
TG1 / TG2	:	Tracking gain switch 1/2 output
TLC	:	Output from slice level control
TRHLD	:	Direct control pin of TS1 switch
TS OUT	:	Track servo amplifier output
TS+ / TS-	:	Track servo amplifier positive / negative input
VCC	:	Positive supply voltage
VDD	:	positive power supply
VEE	:	Negative supply voltage
VREF	:	Reference voltage
VSS	:	Ground 0V
WDCK	:	Word clock to DAC or APTL clock
WE*	:	Write enable output to RAM
WS	:	Word select input
XI	:	Crystal oscillator input with internal feedback resistor
XO	:	Crystal oscillator output

*** LOG. "0" ACTIVE !**

SERVICE TEST PROGRAM



*) HOLD KEY DEPRESSED

SERVICE

1. PRELIMIN

To get into
& NEXT de
service mo
till the keys
and flags (H
Also all sup

2. SERVICE

To get into
movement
checked by
(After the 1
display sho
NEXT -
PREV -
STORE -
MODE -

PLAY -

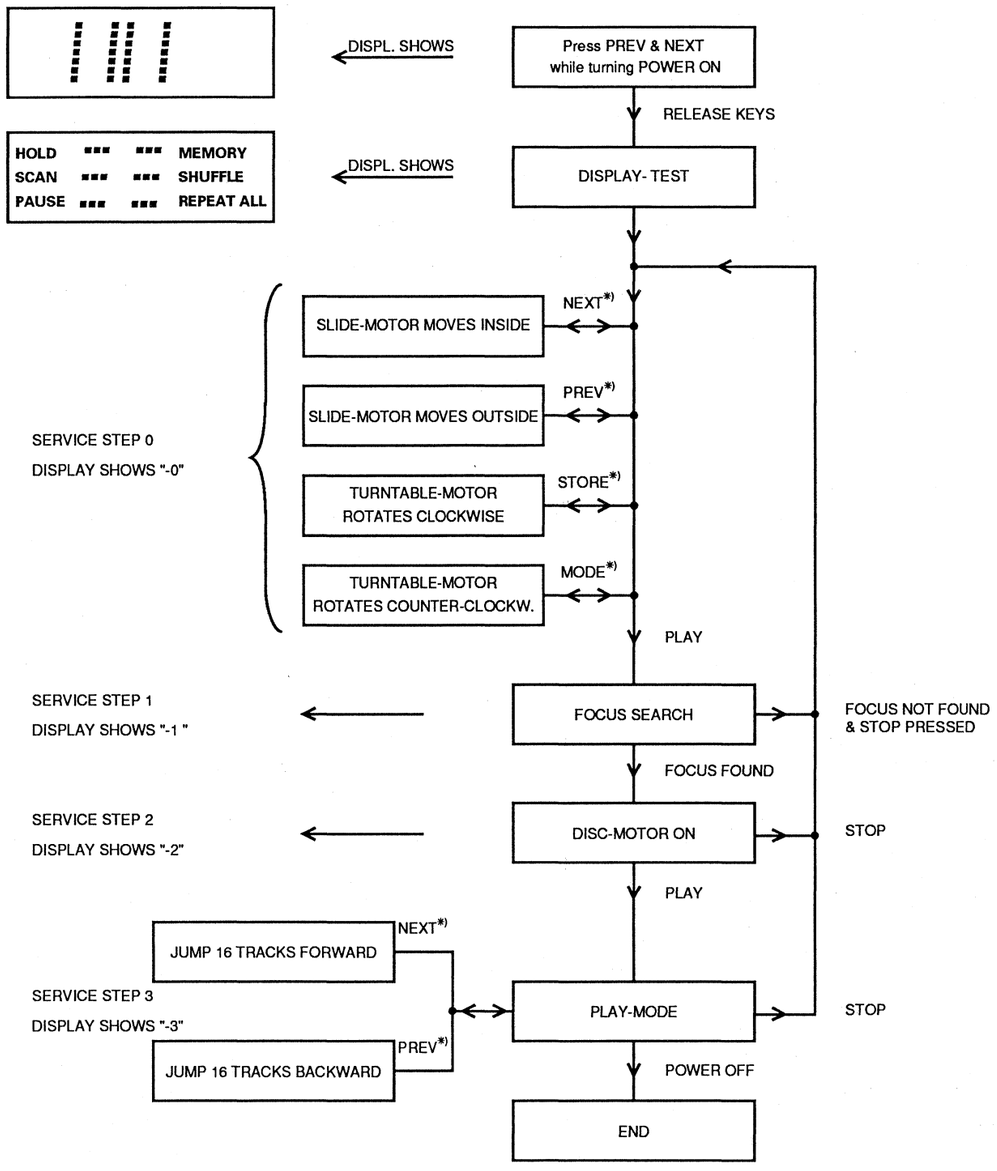
3. SERVICE

To get into
press PLAY
the unit star
"high". In th
jumps to s
should mov
measured a
service step

REMOTE C

SYS REC	
COMMA	
0	
	-
1	
2	
3	
3	
4	
4	
5	
5	
5	
5	
5	

SERVICE TEST PROGRAM



*) HOLD KEY DEPRESSED

SERVICE TEST PROGRAM

1. PRELIMINARY SETUP

To get into the service test program hold the keys PREV & NEXT depressed while turning POWER ON. When the service mode is entered all vertical segments are shown till the keys are released. Then all horizontal segments and flags (HOLD, SCAN, ...) are activated (see flow chart). Also all supply voltages are on, NF-mute is switched off.

2. SERVICE STEP 0 - MOTORTEST

To get into service step 0 fulfil preliminary setup. The movement of the slide- resp. turntable-motor can be checked by holding the corresponding key depressed (After the 1st press service step 0 has been entered - the display shows "-0"):

NEXT - Slide motor moves inside
PREV - Slide motor moves outside
STORE - Turntable motor rotates clockwise
MODE - Turntable motor rotates counter-clockwise

PLAY - Jump to service step 1

3. SERVICE STEP 1 - FOCUS SEARCH

To get into service step 1 fulfil preliminary setup and press PLAY. The display shows "-1". If a CD is inserted the unit starts to search the focus till DATA OUT becomes "high". In that case focus has been found and the unit jumps to service step 2. If no CD is inserted the lens should move up/down continuously. Signal 11 can be measured at pin 29 of servo-processor 7840. To return to service step 0 press STOP.

4. SERVICE STEP 2 - TURNTABLE MOTOR ON

Service step 2 can only be entered if a focus has been found. In that case the display shows "-2" and the turntable-motor starts rotation. With the PLAY key service step 3 can be entered, pressing STOP will return to service step 0.

5. SERVICE STEP 3 - PLAY MODE

The display shows "-3". The tracking is switched on and MUTE is released. Hold the following keys depressed and check their correct function:

NEXT - Jump 16 tracks forward
PREV - Jump 16 tracks backward

NOTE: - To leave the service test program it is necessary to disconnect the unit from the power supply.
- The door switch is ignored by software and therefore the door can be opened during the test procedure. This might be helpful to check the correct movement of the track-servo and the turntable-motor.
Attention: The laser beam is also kept emitting !!

REMOTE CONTROL - RC5 CODE

SYSTEMCODES 20 AND 21 ARE RECOGNICED (CD AND COMBI)	
COMMAND CODE	**KEY**
0...9	TRACKNUMBER DIRECT
11	DISPLAY MEMORY
28	SHUFFLE
29	REPEAT
32	NEXT
33	PREVIOUS
41	PROGRAM
48	PAUSE
50	REVIEW
52	CUE
53	PLAY
54	STOP
58	CLEAR PROGRAM

SERVICE TOOLS

- TORX screwdriver set	**4822 395 50145**
- Audio signal disc	**4822 397 30184**
- Test discs 5 & 5A	**4822 397 30096**
- 3" test disc	**4822 397 30229**

CD DIGITAL SIGNAL & CONTROL PART

PART OF CD-SERVO+LF-PART

MONITOR/LASER DIODE

DIODE ARRAY

ON LIGHTPEN OF DISCDRIVE

1800

LASER

GND

MONITOR

3800 1K

5800 100MUH

+5V

2802 47MU

2801 22N

2800 330N

+L TO 3822

1Vpp 5µS/DIV

HF

3801 15K

3803 15K

3802 15K

3805 15K

2803 5N6

2804 18P

+REF 2.4V

2805 68N

2806 220N

5V 2.5V

7800 M51567P

HF PREAMPLIFIER

TRACKING BALANCE

3810 10K

2808 270P

4.9V

TO AVOID DEFECT OF THE LASER DIODE TAKE CARE OF ESD DURING MEASUREMENTS IN THE WHOLE AREA OF THE LASER SUPPLY CIRCUIT !

DANGER OF ELECTROSTATI C DI SCHARGE

LASER CONTROL

7820 BC548

7821 BC848

7822 BC848

3822 1K5

+L FROM 2800

2811 100N

0.6V

2.3V

0V

0.8V

3013 OR

3826 270

3824 47K

3823 4K7

3825 2K5

LASER CURRENT

LASER SUPPLY

1400

HOLD

PAUSE

MEMORY

SHUFFLE

REPEAT ALL

7410 COP472

3005 OR

3006 OR

3004 OR

2832 100N

2831 100MU

7831 MN4264-15 RAM

CIRC-DECODER RAM INTERFACE

SUBCODE DEMOD

SUBCODE Q REGISTER

TO EMP PIN 1

EFM DEMOD

2/3 DET

TAKT REGENERATION

TO CLV-SERVO &PWM

DATA SLICER

7830 M50423FP

SIGNAL PROCESSOR

INTERPOLATION 2FS/4FS DIGITAL FILTER

I2C BUS INTERFACE

DAC OUTPUT FORMAT SELECTION

ERROR STATUS

CLV SERVO CONTROL& PWM

DIGIT INTERFACE

DAC INTERFACE

TIMING GEN

1/2

8.46 MHz

5810

3836 5K6

3001 OR

156

3831 2M2

3835 470P

3003 OP

3833 2K2

2836 150N

3830 100K

3835 2K2

2833 10N

3410 10K

6430 BA154

2410 1MU

POWER ON RESET

+CD

2830 100N

6422 1N4148

6423 1N4148

1433 PREV

1432 MODE

1430 NEXT

1431 STORE

1434 STOP

NS TO 7400 PIN 7

3011 OR

3409 47K

7400 COP881

4K ROM

128 BYTE RAM

16-BIT TIMER/COUNT

8-BIT CPU

RESET

2401 +CD 100N

NS FROM 3409

6417 BAS16

1420 DOOR SWITCH

6419 1N4148

1435 PLAY

3306 330

3305 330

3300 22

2300 100MU

2301 100N

7300 UPD6376GS

D/A CONVERTER

TIME GENERATOR SHIFT REG LATCH

MAIN DAC SUB DAC MAIN DAC SUB DAC

4/8FS

157

2306 5N6

2305 5N6

3310 10K

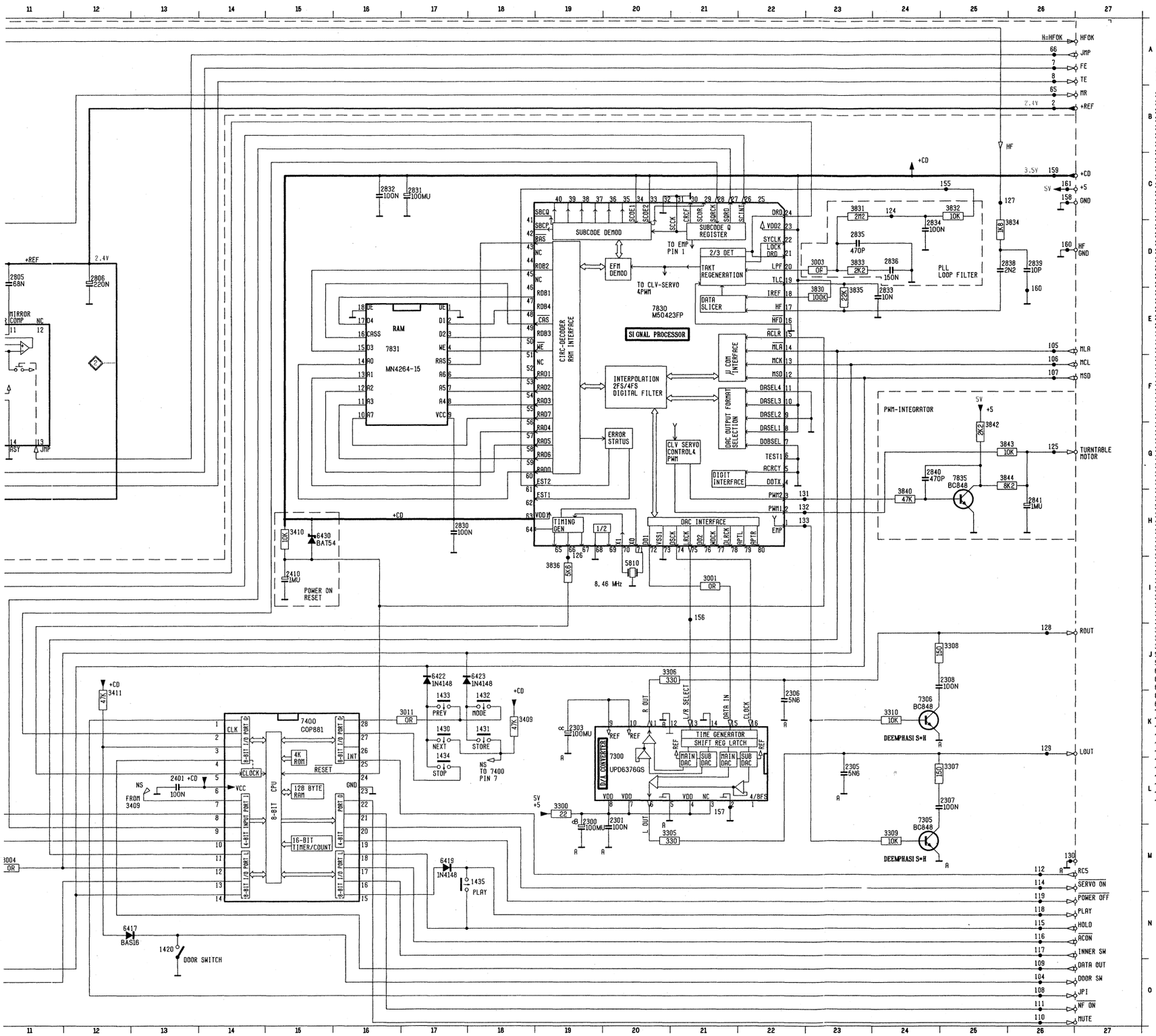
3309 10K

DEEMPHAS

DEEMPHAS

PWM-INTE

3840 47K



	1400	J 8
	1420	N13
	1430	K17
A	1431	K18
	1432	K18
	1433	K17
	1434	K17
	1435	M17
	1800	E 3
	2300	L19
	2301	L20
	2303	K19
B	2305	L23
	2306	K22
	2307	L24
	2308	J24
	2401	L13
	2410	I15
	2800	C 8
	2801	C 6
C	2802	C 6
	2803	C 9
	2804	D 7
	2805	D11
	2806	D12
	2808	H 9
	2811	K 5
	2830	H17
D	2831	C17
	2832	C16
	2833	E24
	2834	D24
	2835	D23
	2836	D24
	2838	D25
	2839	D26
E	2840	G24
	2841	H26
	3001	I21
	3003	D23
	3004	M11
	3005	N 9
	3006	M 6
	3011	K17
F	3013	L 5
	3300	L19
	3305	M20
	3306	J20
	3307	L24
	3308	J24
	3309	M24
	3310	K24
G	3409	K18
	3410	H15
	3411	K12
	3800	B 7
	3801	C 8
	3802	D 8
	3803	D 7
	3805	D 9
H	3810	G 9
	3822	K 6
	3823	M 5
	3824	M 4
	3825	N 4
	3826	M 4
	3830	E23
	3831	C23
	3832	C25
I	3833	D23
	3834	D25
	3835	E23
	3836	I19
	3840	H24
	3842	G25
	3843	G25
	3844	G25
J	5800	B 9
	5810	I20
	6417	M12
	6419	M17
	6422	J17
	6423	J17
	6430	H15
	7300	K20
K	7305	L24
	7306	K24
	7400	K15
	7410	N 8
	7800	F 6
	7820	J 5
	7821	K 5
	7822	M 5
L	7830	E20
	7831	E16
	7835	G25

M

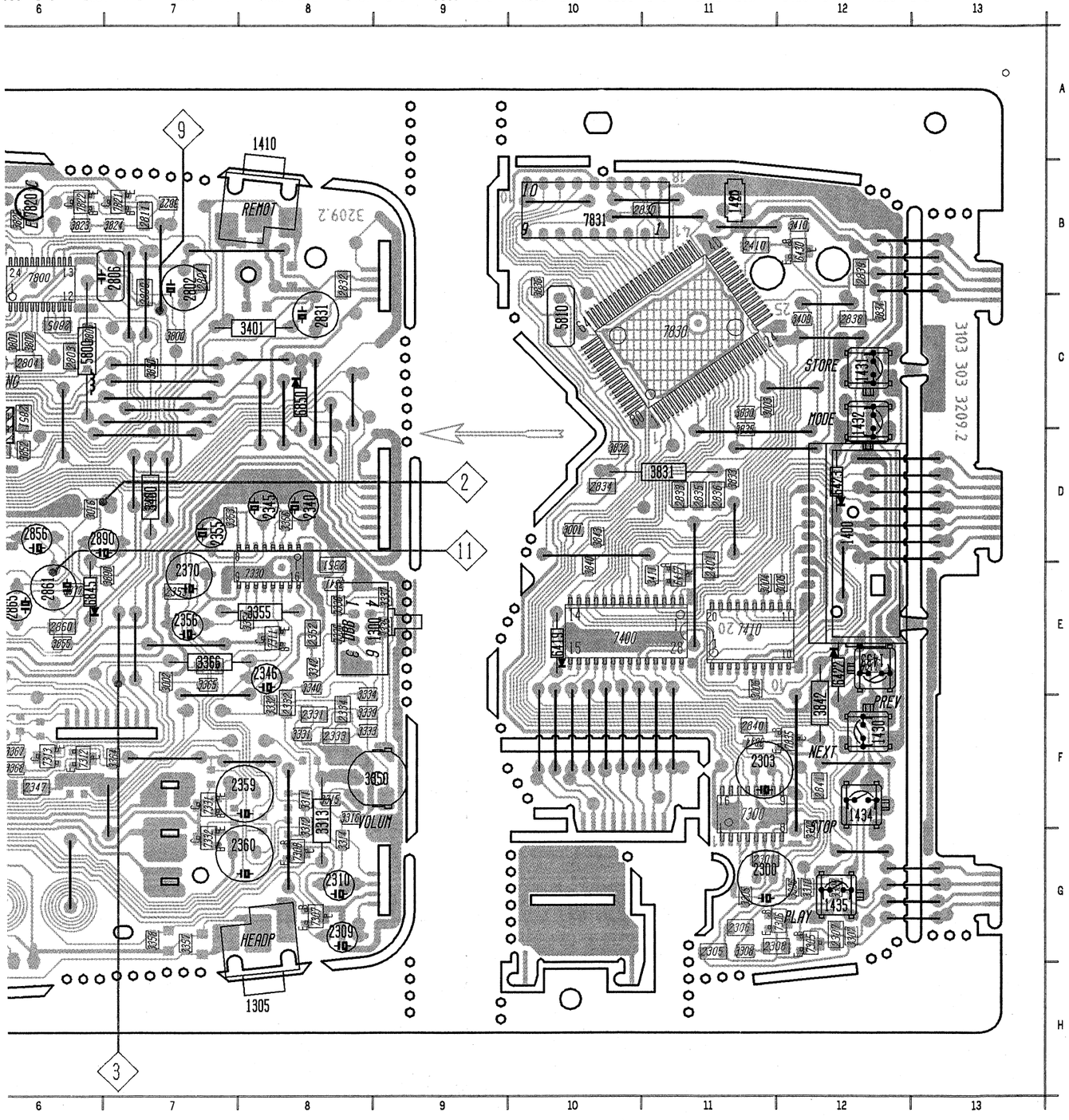
N

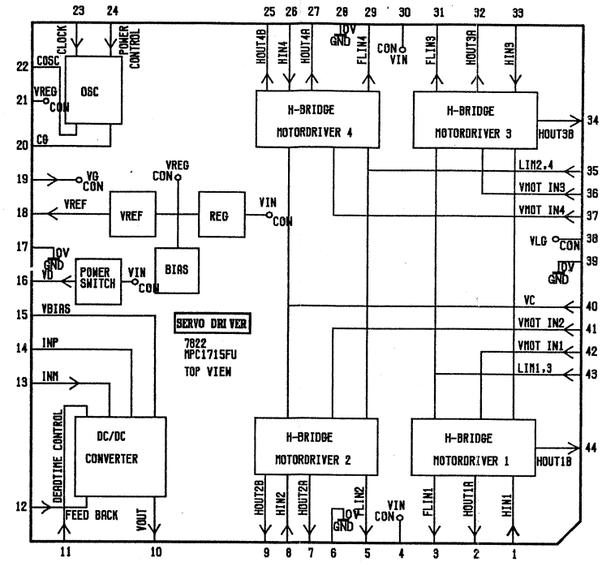
O

PRINTED CIRCUIT BOARD

| | | |

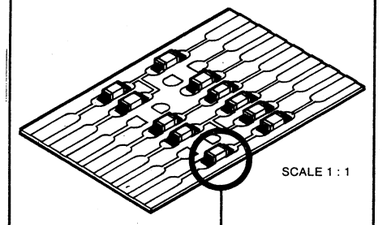
302	B 7	2861	E 6	2902	E 2	3280	C 3	3355	E 8	3403	C 2	5810	C10	5904	E 2	6401	C 3	6423	D12	6427	D 4	7831	B10
306	B 7	2865	E 6	2903	E 3	3282	C 2	3366	E 7	3831	D11	5901	E 2	5950	E 3	6418	C 3	6424	D 2	6845	E 6	7950	F 3
331	C 8	2890	D 7	2904	E 2	3313	F 8	3400	D 7	3842	F12	5902	E 2	6250	C 2	6419	E10	6425	E 3	6850	C 8		
356	D 6	2901	E 1	2960	F 4	3350	F 9	3401	C 8	5800	C 6	5903	E 3	6260	B 3	6422	E12	6426	D 4	7820	B 6		

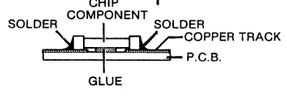




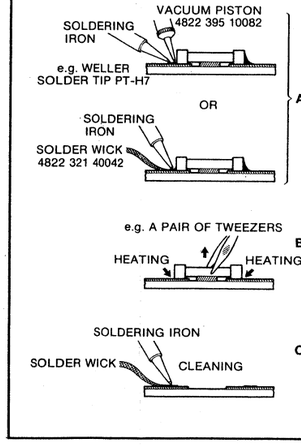
HANDLING CHIP COMPONENTS

GENERAL

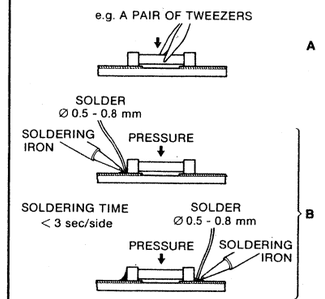




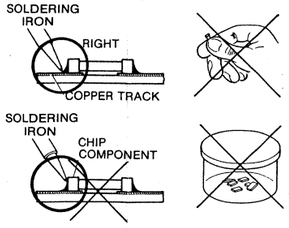
DISMOUNTING



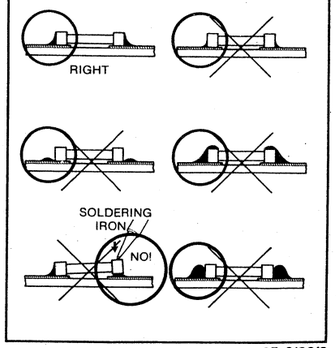
MOUNTING



PRECAUTIONS



EXAMPLES



27 012C12

ADJUSTMENT TABLE

CD-PART		◇	↻		
LASER CURRENT					
Play with Test-Disc 5A		◇9 ◇2	3825		Adjust to 850mVpp
TRACKING OFFSET					
STOP		◇5 ◇2	Check only	±15mV DC	
TRACKING BALANCE					
Service step 1 Display shows "-1"		◇8 ◇2	3810		Adjust to 0V DC
FOCUS GAIN					
Play with Test-Disc 5A	1300 Hz 2 Vrms	see Fig. 1	3880		CHX = 0,5 V/DIV CHY = 5 mV/DIV Adjust according to FIG.3
TRACKING GAIN					
Play with Test-Disc 5A	1250 Hz 2 Vrms	see Fig. 2	3860		CHX = 0,2 V/DIV CHY = 50 mV/DIV Adjust according to FIG.3

FIG. 1

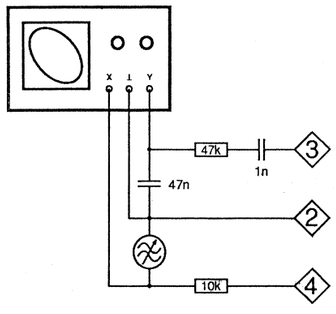


FIG. 2

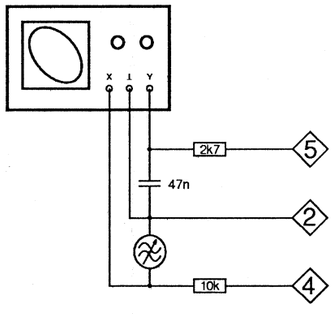
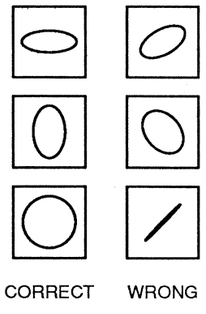
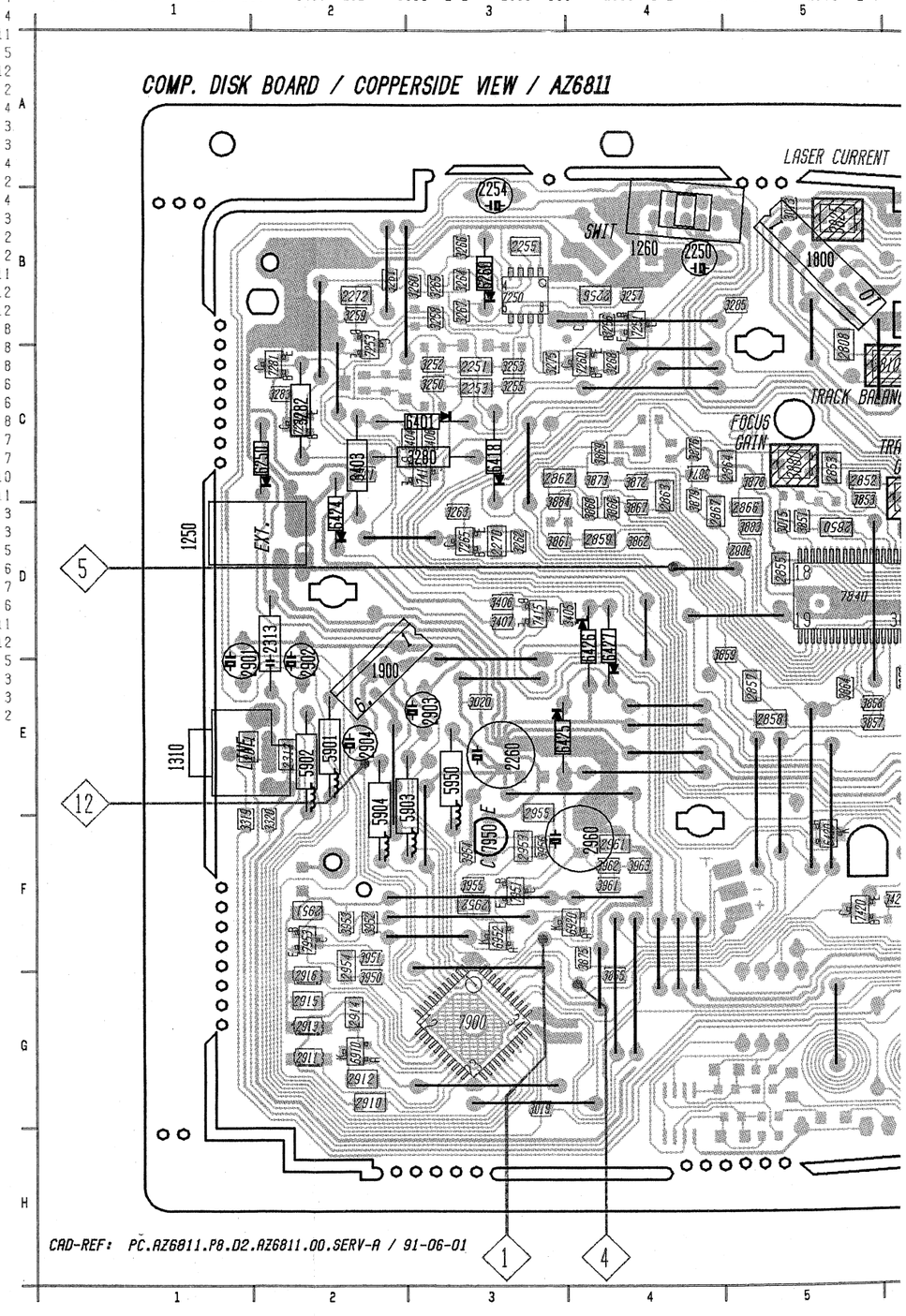


FIG. 3



PRINTED CIRCUIT BOARD

2251	C 3	2961	F 4	3367	F 6	3955	F 3	1250	D 1	1310	E 1	1430	F12	1434	F12	2250	B 4	2303	F11	2340	D 8	2356	E 7
2253	C 3	3001	D10	3368	F 6	3956	F 3	1260	B 4	1400	D12	1431	C12	1435	G12	2254	B 3	2309	G 8	2345	D 8	2359	F 8
2255	B 3	3002	E 7	3404	C 3	3961	F 4	1300	E 9	1410	A 8	1432	C12	1800	B 5	2260	E 3	2310	G 8	2346	E 8	2360	G 8
2256	B 4	3003	C11	3405	D 4	3962	F 4	1305	H 8	1420	B11	1433	E12	1900	E 2	2300	G11	2313	D 2	2355	D 7	2370	E 7
2270	D 3	3004	E11	3406	D 3	3963	F 4																
2272	B 2	3005	E12	3407	D 3	6417	E11																
2301	G11	3006	E11	3408	C 3	6420	F 5																
2305	G11	3011	E12	3409	C12	6430	B12																
2306	G11	3013	B 5	3410	B12	6910	G 2																
2307	G12	3015	D 5	3411	E11	6920	F 4																
2308	G12	3016	D 6	3420	F 6	6952	F 3																
2311	E 1	3019	G 3	3800	C 7	7250	B 3																
2312	E 2	3020	E 3	3801	C 6	7251	B 4																
2331	F 8	3250	C 3	3802	C 6	7253	B 2																
2332	F 8	3252	C 3	3803	C 6	7260	C 4																
2333	F 8	3253	C 3	3805	C 6	7265	D 3																
2334	F 8	3255	C 3	3810	C 6	7280	C 2																
2347	F 6	3256	B 4	3822	B 7	7281	C 2																
2351	E 8	3257	B 4	3823	B 6	7300	F11																
2352	E 8	3258	B 3	3824	B 7	7305	G12																
2353	E 7	3259	B 2	3825	B 5	7306	G12																
2354	E 7	3260	B 3	3826	B 6	7307	G 8																
2401	E11	3261	B 2	3830	C11	7308	G 8																
2410	B11	3262	D 3	3832	D10	7311	E 8																
2800	B 7	3263	D 3	3833	D11	7312	F 6																
2801	B 7	3264	B 3	3834	C12	7313	F 6																
2803	C 6	3265	B 3	3835	D11	7330	E 8																
2804	C 6	3266	B 3	3836	B10	7331	F 7																
2805	C 6	3267	B 3	3840	E10	7332	G 7																
2808	B 5	3268	C 4	3843	D10	7400	E10																
2811	B 7	3269	B 3	3844	F11	7410	E11																
2830	B11	3275	C 3	3850	C 7	7415	D 3																
2832	B 8	3281	C 2	3851	D 5	7416	C 3																
2833	D11	3283	C 2	3852	D 6	7420	F 5																
2834	D10	3285	B 5	3853	C 5	7800	B 6																
2835	D11	3300	G12	3855	E 6	7821	B 7																
2836	D11	3305	G11	3856	E 6	7822	B 6																
2838	C12	3306	G12	3857	E 5	7830	C11																
2839	B12	3307	G12	3858	E 5	7835	F12																
2840	F11	3308	G11	3859	D 5	7840	D 5																
2841	F12	3309	G12	3860	C 6	7900	G 3																
2850	D 5	3310	G12	3861	D 3	7951	F 3																
2851	C 6	3311	F 8	3862	D 4	7953	F 2																
2852	C 5	3312	F 8	3864	E 5																		
2853	C 5	3314	G 8	3865	G 4																		
2854	D 6	3315	F 8	3866	D 4																		
2855	D 5	3316	F 8	3867	D 4																		
2857	E 5	3319	F 1	3868	D 4																		
2858	E 5	3320	F 2	3869	C 4																		
2859	D 4	3331	F 8	3872	C 4																		
2860	E 6	3332	F 8	3873	C 4																		
2862	C 3	3333	F 8	3874	C 4																		
2863	C 4	3334	F 8	3875	F 4																		
2864	C 5	3335	E 9	3876	C 4																		
2866	D 5	3336	E 8	3877	E 6																		
2867	D 4	3337	E 9	3878	C 5																		
2910	G 2	3338	E 8	3879	C 4																		
2911	G 2	3339	F 8	3880	C 5																		
2912	G 2	3340	E 8	3882	D 5																		
2913	G 2	3341	E 8	3883	D 5																		
2914	G 2	3342	E 8	3884	C 3																		
2915	G 2	3353	D 7	3890	E 7																		
2916	G 2	3354	E 8	3895	D 7																		
2951	F 2	3356	D 8	3950	G 2																		
2952	F 3	3357	G 7	3951	F 2																		
2953	F 3	3358	G 7	3952	F 2																		
2954	F 2	3364	F 7	3953	F 2																		
2955	E 3	3365	E 7	3954	F 3																		

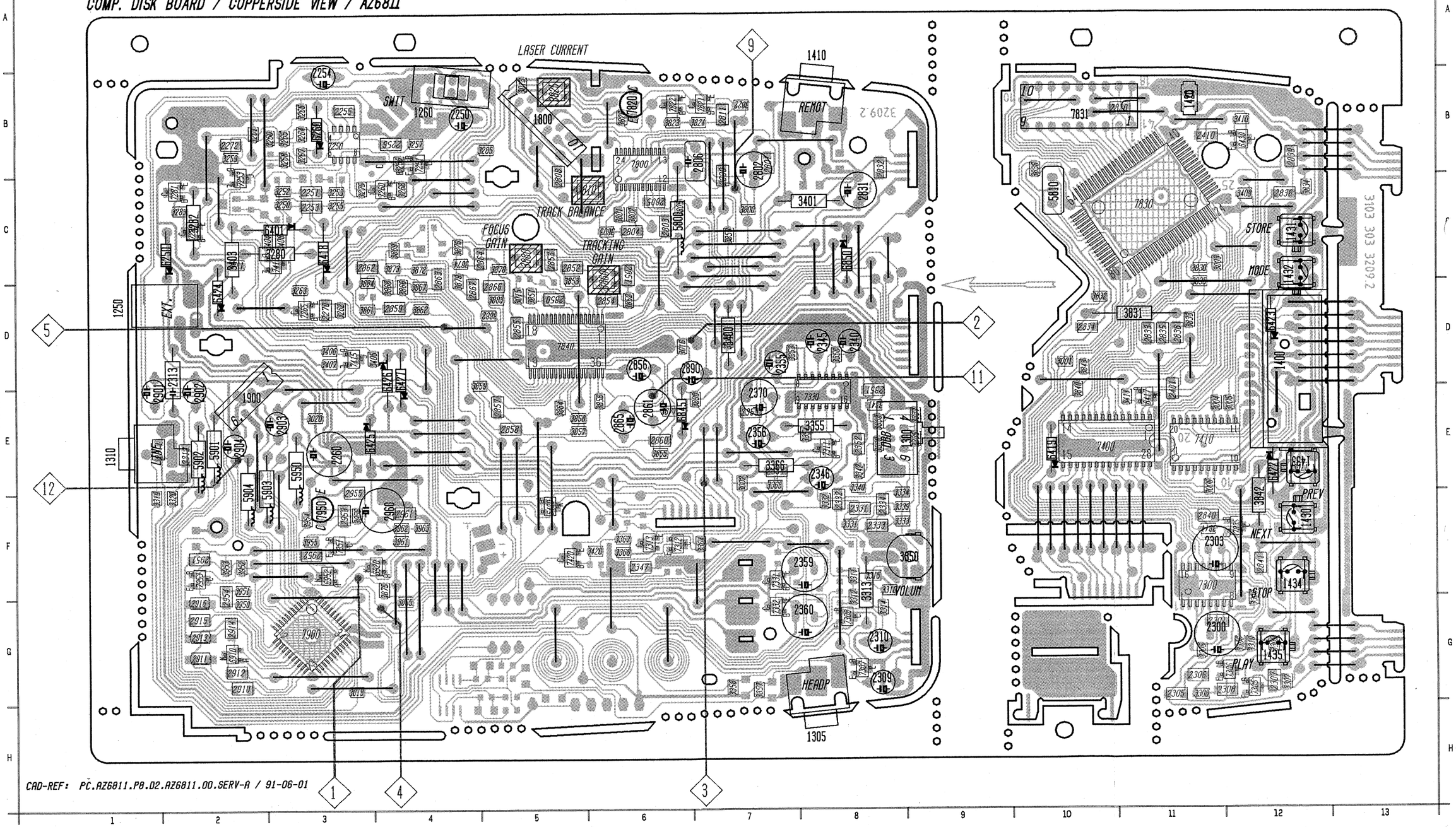


PRINTED CIRCUIT BOARD

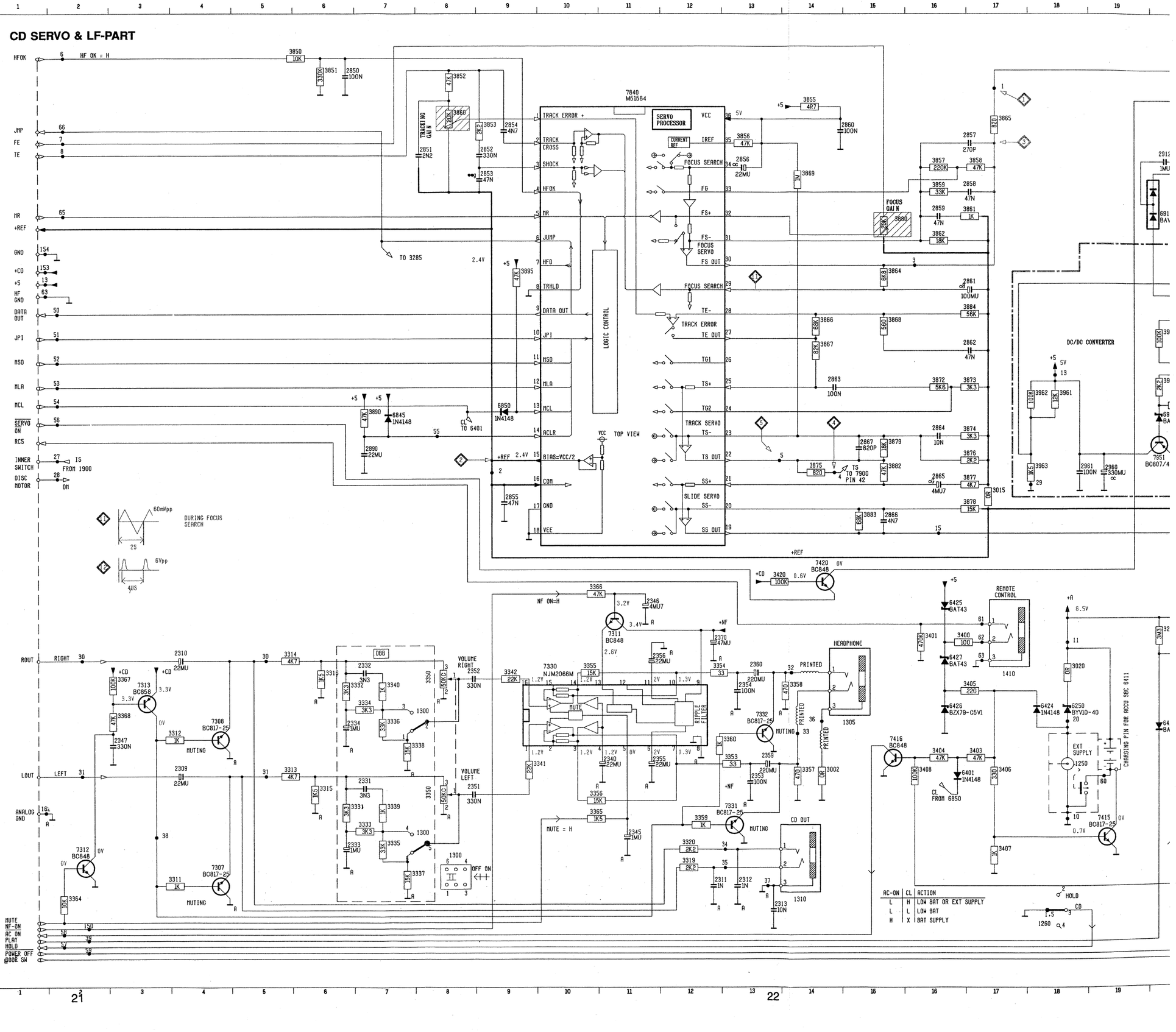
1250	D 1	1310	E 1	1430	F12	1434	F12	2250	B 4	2303	F11	2340	D 8	2356	E 7	2802	B 7	2861	E 6	2902	E 2	3280	C 3	3355	E 8	3403	C 2	5810	C10	5904	E 2	6401	C 3	6423	D12	6427	D 4	7831	B10
1260	B 4	1400	D12	1431	C12	1435	G12	2254	B 3	2309	G 8	2345	D 8	2359	F 8	2806	B 7	2865	E 6	2903	E 3	3282	C 2	3366	E 7	3831	D11	5901	E 2	5950	E 3	6418	C 3	6424	D 2	6845	E 6	7950	F 3
1300	E 9	1410	A 8	1432	C12	1800	B 5	2260	E 3	2310	G 8	2346	E 8	2360	G 8	2831	C 8	2890	D 7	2904	E 2	3313	F 8	3400	D 7	3842	F12	5902	E 2	6250	C 2	6419	E10	6425	E 3	6850	C 8		
1305	H 8	1420	B11	1433	E12	1900	E 2	2300	G11	2313	D 2	2355	D 7	2370	E 7	2856	D 6	2901	E 1	2960	F 4	3350	F 9	3401	C 8	5800	C 6	5903	E 3	6260	B 3	6422	E12	6426	D 4	7820	B 6		

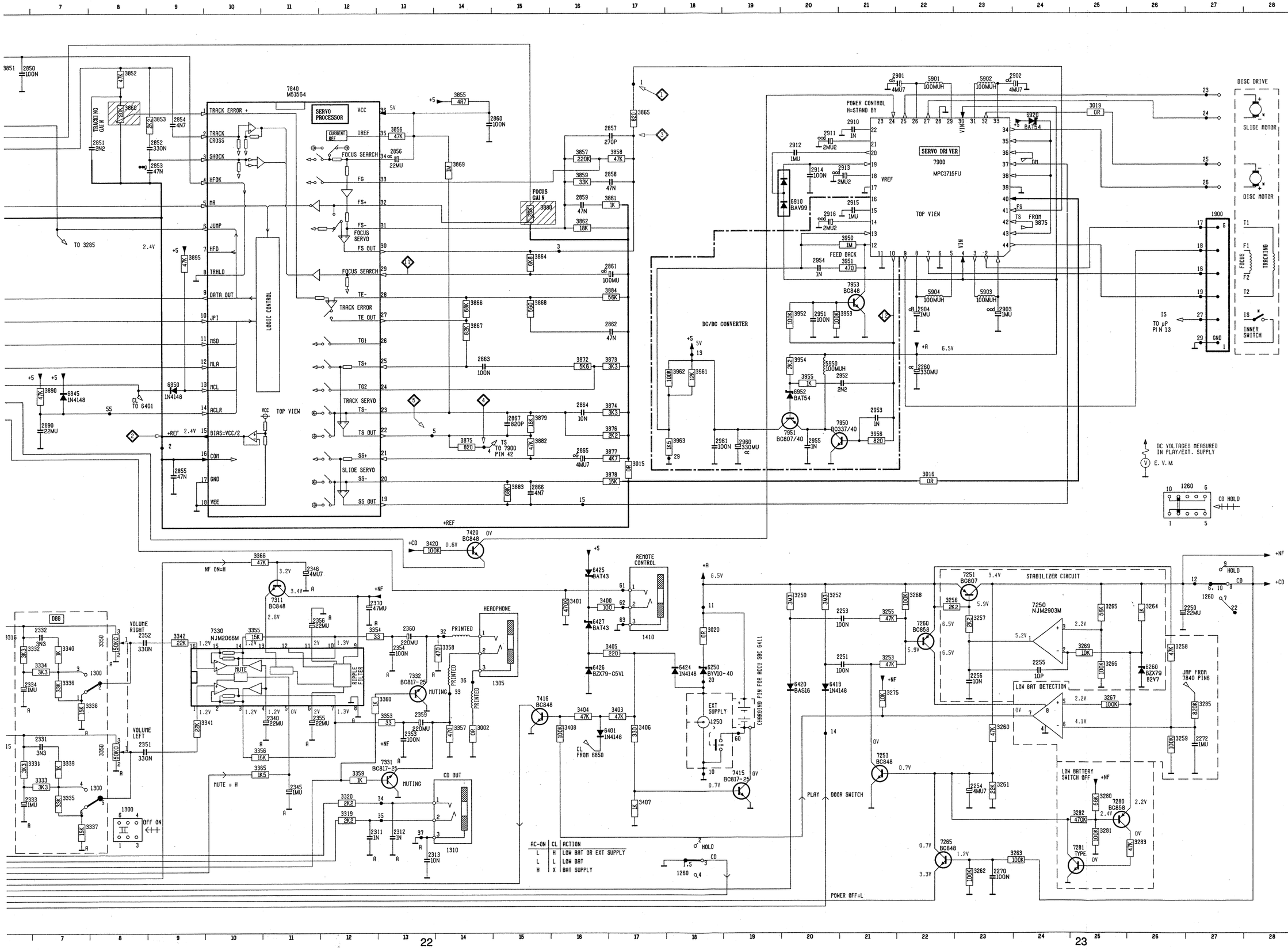
3955	F 3	6417	E11	7250	B 3	7307	G 8	7400	E10	7800	B 6	7951	F 3																
3956	F 3	6420	F 5	7251	B 4	7308	G 8	7410	E11	7821	B 7	7953	F 2																
3961	F 4	6430	B12	7253	B 2	7311	E 8	7415	D 3	7822	B 6																		
3962	F 4	6910	G 2	7260	C 4	7312	F 6	7416	C 3	7830	C11																		
3963	F 4	6920	F 4	7265	D 3	7313	F 6	7420	F 5	7835	F12																		
6417	E11	6952	F 3	7280	C 2	7330	E 8	7800	B 6	7840	D 5																		
6420	F 5	7250	B 3	7281	C 2	7331	F 7	7821	B 7	7900	G 3																		

COMP. DISK BOARD / COPPERSIDE VIEW / AZ6811



CD SERVO & LF-PART

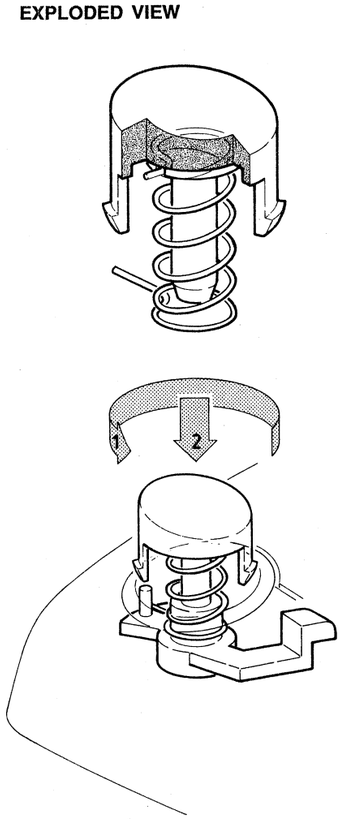


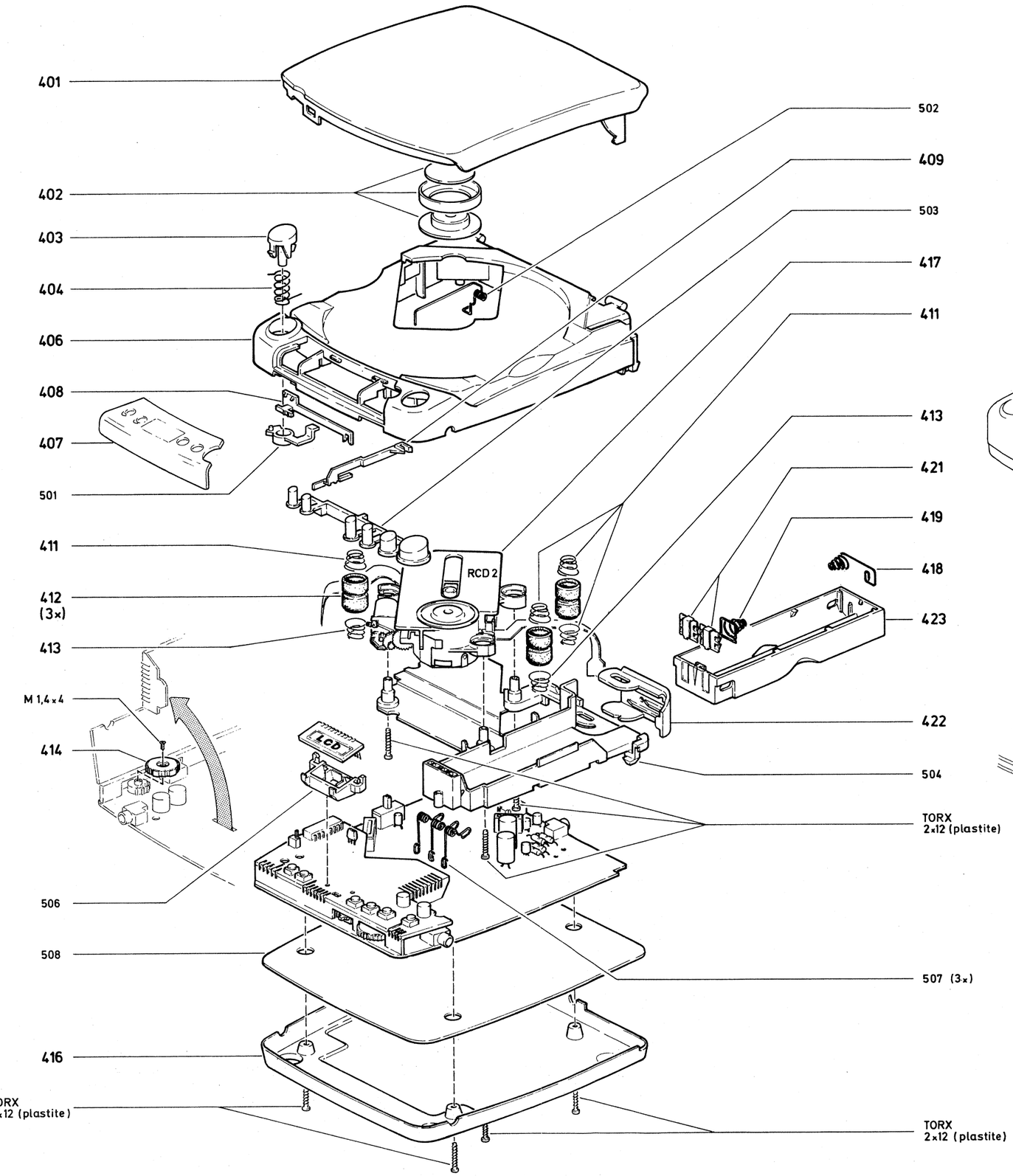


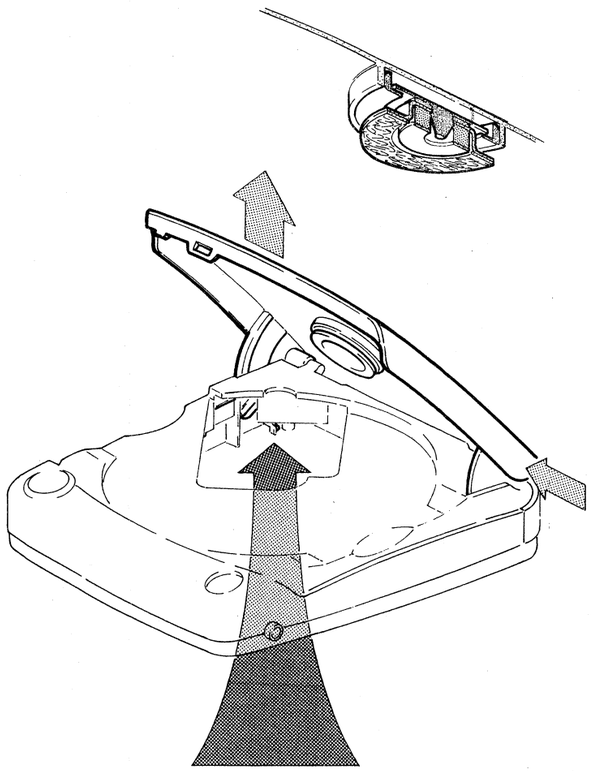
*	C28	3350	K 8
*	F28	3353	M13
*	B28	3354	K12
A 1250	M18	3355	K10
1260	O18	3356	M10
1260	K27	3357	M14
1300	N 8	3358	L14
1300	L 8	3359	N12
1305	L15	3360	L12
1310	O14	3364	O 2
1410	K17	3365	N10
1900	D27	3366	J10
B 2250	K26	3367	K 3
2251	L21	3368	L 3
2253	K21	3400	K16
2254	N23	3401	K16
2255	L24	3403	M17
2256	L23	3404	M16
2260	G22	3405	L17
2270	O23	3406	M17
C 2272	M27	3407	N17
2308	M 4	3408	M16
2310	K 4	3420	J13
2311	O12	3850	A 6
2312	O13	3851	A 6
2313	O13	3852	B 8
2331	M 7	3853	B 9
2332	K 7	3855	B14
D 2333	N 6	3856	C13
2334	L 6	3857	C16
2340	M10	3858	C17
2345	N11	3859	C16
2346	J11	3860	B 8
2347	L 2	3861	D17
2351	M 8	3862	D16
2352	K 8	3864	E15
E 2353	M13	3865	B17
2354	L13	3866	F14
2355	M11	3867	F14
2356	K11	3868	F15
2359	M13	3869	C14
2360	K13	3872	G16
2370	K12	3873	G17
2850	A 6	3874	G17
F 2851	C 7	3875	H14
2852	C 8	3876	H17
2853	C 8	3877	H17
2854	B 9	3878	I17
2855	H 9	3879	H15
2856	C13	3880	D15
2857	C17	3882	H15
2858	C17	3883	I15
2859	D16	3884	E17
G 2860	B14	3890	O 7
2861	E17	3895	E 9
2862	F17	3950	D21
2863	G14	3951	E21
2864	G16	3952	F20
2865	H16	3953	F20
2866	I15	3954	G20
2867	H15	3955	G20
H 2890	H 7	3956	H21
2901	B22	3961	G18
2902	B24	3962	G18
2903	F23	3963	H18
2904	F22	5901	B22
2910	B21	5902	B23
2911	C20	5903	E23
2912	C20	5904	E22
I 2913	C21	5950	G20
2914	C20	6250	L18
2915	D21	6260	L26
2916	D20	6401	M16
2951	F20	6418	L20
2952	G21	6420	L20
2953	G21	6424	L18
2954	E20	6425	J16
J 2955	H20	6426	L16
2960	H19	6427	K16
2961	H18	6845	G 7
3002	N14	6850	G 9
3015	H17	6910	D20
3016	I22	6920	B24
3019	B25	6952	G20
3020	K18	7250	K24
K 3250	K20	7251	J23
3252	K20	7253	M21
3253	L21	7260	K22
3255	K21	7265	O22
3256	K22	7280	N25
3257	K23	7281	O25
3258	L26	7307	O 4
3259	M26	7308	L 4
L 3260	M23	7311	K11
3261	N23	7312	N 2
3262	O23	7313	L 3
3263	O24	7330	K 9
3264	K26	7331	N13
3265	K25	7332	L13
3266	L25	7415	N19
3267	L25	7416	L15
M 3268	K22	7420	J14
3269	L25	7840	B11
3275	L21	7900	C22
3280	N25	7950	H21
3281	O25	7951	H20
3282	N25	7953	E21
3283	O26		
3285	M27		
3311	O 4		
N 3312	L 4		
3313	M 5		
3314	K 5		
3315	M 6		
3316	K 6		
3319	N12		
3320	N12		
3331	N 6		
O 3332	L 6		
3333	N 7		
3334	L 7		
3335	N 7		
3336	L 7		
3337	O 7		
3338	M 7		
3339	N 7		
P 3340	L 7		
3341	M 9		
3342	K 9		
3350	M 8		

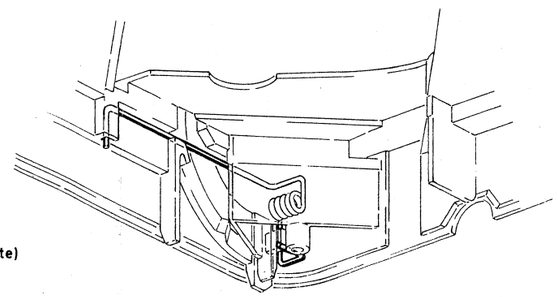
CS 44 041

EXPLODED VIEW









MECHANIC

	4822 502
	4822 462
	4822 502
	4822 502
401	4822 444
401	4822 444
402	4822 466
403	4822 410
404	4822 492
406	4822 444
407	4822 450
408	4822 411
409	4822 411
411	4822 492
412	4822 529
413	4822 492
414	4822 413
416	4822 444
417	4822 691
418	4822 492
419	4822 492
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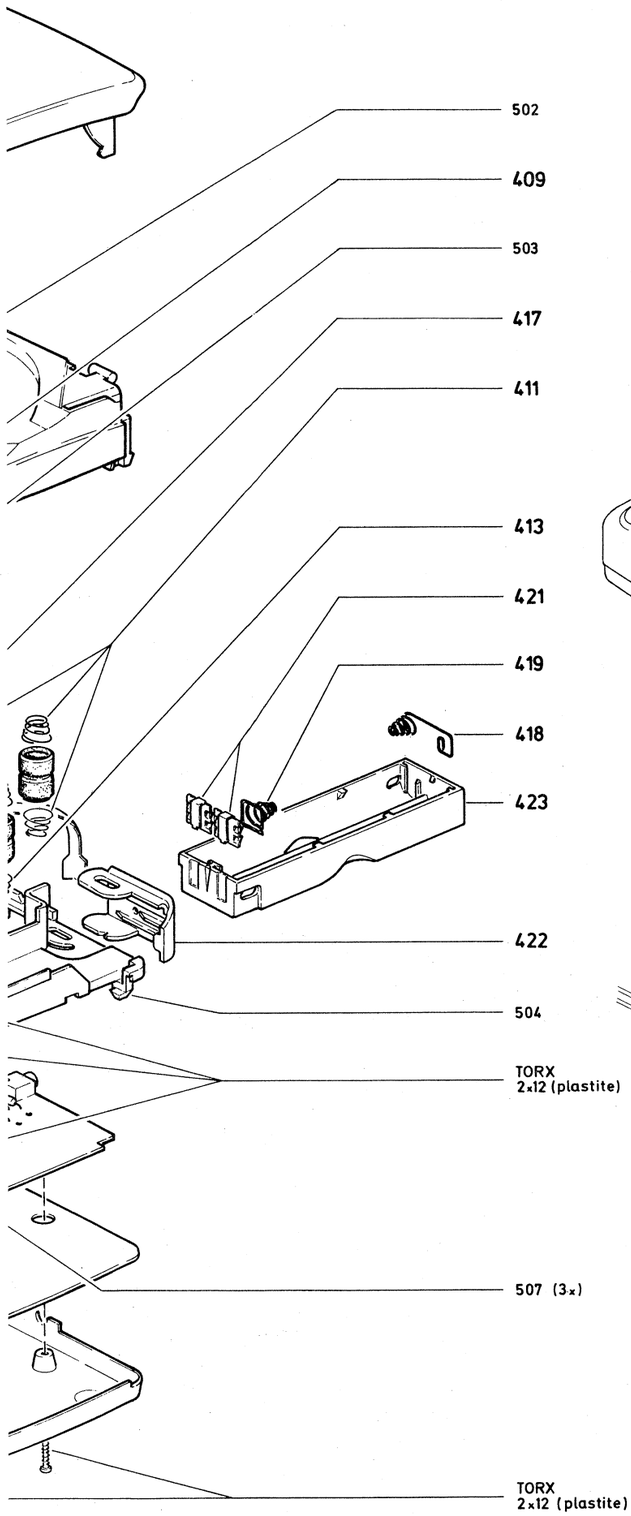
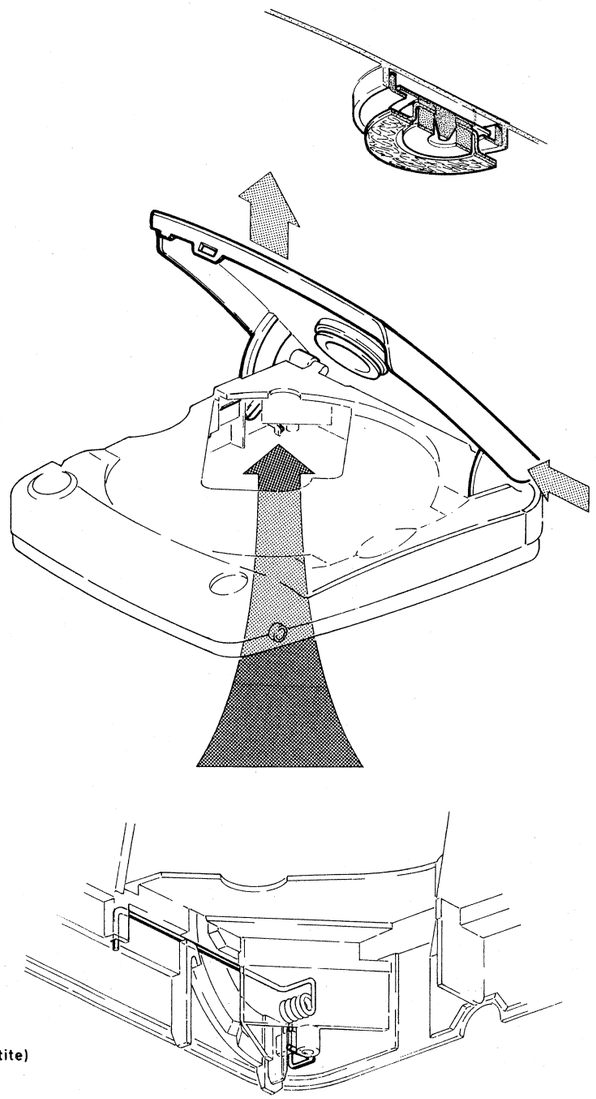
422	4822 444
423	4822 418





MECHANICAL PARTS

	4822 502 13769	SCREW M1,4x4
	4822 462 41819	RUBBER FOOT
	4822 502 30675	SCREW TORX 2x12 PLASTITE
	4822 502 30676	SCREW TORX 2x16 PLASTITE
401	4822 444 60768	CD-DOOR PRINTED
401	4822 444 60771	CD-DOOR PRINTED FOR /17
402	4822 466 93031	DISC HOLD DOWN ASSY
403	4822 410 61461	KNOB (EJECT) PRINTED
404	4822 492 70951	SPRING (EJECT)
406	4822 444 40474	CABINET PRINTED
407	4822 450 61769	WINDOW PRINTED
408	4822 411 61829	SLIDER (DBB)
409	4822 411 61831	SLIDER (HOLD) PRINTED
411	4822 492 52147	SPRING COMPRESS
412	4822 529 10256	DAMPER
413	4822 492 70566	SPRING
414	4822 413 31668	VOLUME WHEEL
416	4822 444 50655	BOTTOM (LAQUERED)
417	4822 691 20541	RCD2 - DISC DRIVE
418	4822 492 70955	BATTERY SPRING 3
419	4822 492 70954	BATTERY SPRING 2
421	4822 492 70953	BATTERY SPRING 1
422	4822 444 60767	BATTERY LID
423	4822 418 40883	BATTERY TRAY

MISCELLANEOUS

	4822 600 70642	POUCH		1400	12NC FOLLOWS !	LCD LP0894-A	
	4822 498 20125	CARRYING BELT		1410	4822 267 31148	SOCKET, REMOTE CONT.	
	4822 015 20384	SBC3124/PH-HEADPHONE		1420	4822 276 12889	DOOR SWITCH	
	4822 242 40108	SBC3124/MVX-HEADPH.		1430	4822 276 12465	SWITCH TACT	
1250	4822 267 31354	SOCKET, EXT. SUPPLY		1431	4822 276 12465	SWITCH TACT	
1260	4822 277 21235	SWITCH, HOLD SELECT		1432	4822 276 12465	SWITCH TACT	
1300	4822 276 12892	SWITCH, DBB SELECT		1433	4822 276 12465	SWITCH TACT	
1305	4822 267 40788	SOCKET, HEADPHONES		1434	4822 276 12465	SWITCH TACT	
1310	4822 267 31147	SOCKET, CD OUT		1435	4822 276 12465	SWITCH TACT	

DIODES

	4822 130 32245	BYV10-40		4822 130 31353	BAT43
	4822 130 82714	BZX79-B2V7		4822 130 34233	BZX79-B5V1
	4822 130 30621	1N4148		4822 130 80622	BAT54
	5322 130 31928	BAS16		5322 130 34337	BAV99

TRANSISTORS

	4822 130 42132	BC807 (CHIP)		4822 130 40938	BC548
	4822 130 61207	BC848 (CHIP)		4822 130 41344	BC337-40
	5322 130 42012	BC858 (CHIP)		5322 130 60123	BC807-40 (CHIP)
	4822 130 42804	BC817-25 (CHIP)			

INTEGRATED CIRCUITS

	4822 209 71448	NJM2903M		4822 209 72814	M51567P
	4822 209 62259	UPD6376GS		4822 209 62112	M50423FP
	4822 209 30401	NJM2066M		4822 209 70422	MN4264-15
	4822 209 30311	uP COP881/RUE		4822 209 72815	M51564P
	4822 209 62111	COP472-3		4822 209 62261	MPC1715FU

COILS

5800	4822 157 53123	100uH	5903	4822 157 53123	100uH
5810	4822 242 72565	RESONATOR 8,46MHz	5904	4822 157 53123	100uH
5901	4822 157 53123	100uH	5950	4822 157 53123	100uH
5902	4822 157 53123	100uH			

RESISTORS

3280	4822 050 25603	56k	1%	0,6W	3366	4822 050 24703	47k	1%	0,6W
3282	4822 050 24704	470k	1%	0,6W	3401	4822 050 24704	470k	1%	0,6W
3313	4822 050 24702	4k7	1%	0,6W	3403	4822 050 24703	47k	1%	0,6W
3350	4822 100 30071	50k POTMETER			3831	4822 050 22205	2M2	1%	0,6W
3355	4822 116 52244	15k	5%	0,5W	3842	4822 050 22202	2k2	1%	0,6W

CHIP RESISTORS

3001	4822 051 20008	CHIP JUMPER			3257	4822 051 20222	2k2	5%	0,1W
3002	4822 051 20008	CHIP JUMPER			3258	4822 051 20473	47k	5%	0,1W
3003	4822 051 20008	CHIP JUMPER			3259	4822 051 20104	100k	5%	0,1W
3004	4822 051 20008	CHIP JUMPER			3260	4822 051 20473	47k	5%	0,1W
3005	4822 051 20008	CHIP JUMPER			3261	4822 051 20223	22k	5%	0,1W
3006	4822 051 20008	CHIP JUMPER			3262	4822 051 20104	100k	5%	0,1W
3011	4822 051 20008	CHIP JUMPER			3263	4822 051 20104	100k	5%	0,1W
3013	4822 051 20008	CHIP JUMPER			3264	4822 051 10102	1k	2%	0,25W
3015	4822 051 20008	CHIP JUMPER			3265	4822 051 20563	56k	5%	0,1W
3016	4822 051 20008	CHIP JUMPER			3266	4822 051 20104	100k	5%	0,1W
3019	4822 051 20008	CHIP JUMPER			3267	4822 051 20104	100k	5%	0,1W
3020	4822 051 20008	CHIP JUMPER			3268	4822 051 20104	100k	5%	0,1W
3250	4822 051 20335	3M3	5%	0,1W	3269	4822 051 20103	10k	5%	0,1W
3252	4822 051 20335	3M3	5%	0,1W	3275	4822 051 20103	10k	5%	0,1W
3253	4822 051 20473	47k	5%	0,1W	3281	4822 051 20104	100k	5%	0,1W
3255	4822 051 20473	47k	5%	0,1W	3283	4822 051 20473	47k	5%	0,1W
3256	4822 051 20222	2k2	5%	0,1W	3285	4822 051 20824	820k	5%	0,1W

CHIP RESISTORS

3300	4822	051	20229	22R	5%	0,1W	3824	4822	051	20473	47k	5%	0,1W
3305	4822	051	20331	330R	5%	0,1W	3825	4822	100	11803	2k2	TRIM POT	SMD
3306	4822	051	20331	330R	5%	0,1W	3826	4822	051	20271	270R	5%	0,1W
3307	4822	051	20151	150R	5%	0,1W	3830	4822	051	20104	100k	5%	0,1W
3308	4822	051	20151	150R	5%	0,1W	3832	4822	051	20103	10k	5%	0,1W
3309	4822	051	20103	10k	5%	0,1W	3833	4822	051	20222	2k2	5%	0,1W
3310	4822	051	20103	10k	5%	0,1W	3834	4822	051	20182	1k8	5%	0,1W
3311	4822	051	10102	1k	2%	0,25W	3835	4822	051	20223	22k	5%	0,1W
3312	4822	051	10102	1k	2%	0,25W	3836	4822	051	20562	5k6	5%	0,1W
3314	4822	051	20472	4k7	5%	0,1W	3840	4822	051	20473	47k	5%	0,1W
3315	4822	051	20152	1k5	5%	0,1W	3843	4822	051	20103	10k	5%	0,1W
3316	4822	051	20152	1k5	5%	0,1W	3844	4822	051	20822	8k2	5%	0,1W
3319	4822	051	20222	2k2	5%	0,1W	3850	4822	051	20103	10k	5%	0,1W
3320	4822	051	20222	2k2	5%	0,1W	3851	4822	051	20334	330k	5%	0,1W
3331	4822	051	20332	3k3	5%	0,1W	3852	4822	051	20473	47k	5%	0,1W
3332	4822	051	20332	3k3	5%	0,1W	3853	4822	051	20222	2k2	5%	0,1W
3333	4822	051	20332	3k3	5%	0,1W	3855	4822	051	20478	4R7	5%	0,1W
3334	4822	051	20332	3k3	5%	0,1W	3856	4822	051	20473	47k	5%	0,1W
3335	4822	051	20333	33k	5%	0,1W	3857	4822	051	20224	220k	5%	0,1W
3336	4822	051	20333	33k	5%	0,1W	3858	4822	051	20473	47k	5%	0,1W
3337	4822	051	20153	15k	5%	0,1W	3859	4822	051	20333	33k	5%	0,1W
3338	4822	051	20153	15k	5%	0,1W	3860	4822	100	11733	20k	TRIM POT	SMD
3339	4822	051	10102	1k	2%	0,25W	3861	4822	051	10102	1k	2%	0,25W
3340	4822	051	10102	1k	2%	0,25W	3862	4822	051	20183	18k	5%	0,1W
3341	4822	051	20223	22k	5%	0,1W	3864	4822	051	20682	6k8	5%	0,1W
3342	4822	051	20223	22k	5%	0,1W	3865	4822	051	20821	820R	5%	0,1W
3353	4822	051	20339	33R	5%	0,1W	3866	4822	051	20683	68k	5%	0,1W
3353	4822	051	20339	33R	5%	0,1W	3867	4822	051	20823	82k	5%	0,1W
3356	4822	051	20153	15k	5%	0,1W	3868	4822	051	20561	560R	5%	0,1W
3357	4822	051	20471	470R	5%	0,1W	3869	4822	051	20135	1M3	5%	0,1W
3358	4822	051	20471	470R	5%	0,1W	3872	4822	051	20562	5k6	5%	0,1W
3359	4822	051	10102	1k	2%	0,25W	3873	4822	051	20332	3k3	5%	0,1W
3360	4822	051	10102	1k	2%	0,25W	3874	4822	051	20332	3k3	5%	0,1W
3364	4822	051	20103	10k	5%	0,1W	3875	4822	051	20821	820R	5%	0,1W
3365	4822	051	20152	1k5	5%	0,1W	3876	4822	051	20222	2k2	5%	0,1W
3367	4822	051	20104	100k	5%	0,1W	3877	4822	051	20472	4k7	5%	0,1W
3368	4822	051	20473	47k	5%	0,1W	3878	4822	051	20153	15k	5%	0,1W
3400	4822	051	10101	100R	2%	0,25W	3879	4822	051	20183	18k	5%	0,1W
3404	4822	051	20473	47k	5%	0,1W	3880	4822	100	11733	20k	TRIM POT	SMD
3405	4822	051	20221	220R	5%	0,1W	3882	4822	051	20473	47k	5%	0,1W
3406	4822	051	20331	330R	5%	0,1W	3883	4822	051	20683	68k	5%	0,1W
3407	4822	051	10102	1k	2%	0,25W	3884	4822	051	20563	56k	5%	0,1W
3408	4822	051	20104	100k	5%	0,1W	3890	4822	051	20473	47k	5%	0,1W
3409	4822	051	20473	47k	5%	0,1W	3895	4822	051	20473	47k	5%	0,1W
3410	4822	051	20223	22k	5%	0,1W	3950	4822	051	20135	1M3	5%	0,1W
3411	4822	051	20473	47k	5%	0,1W	3951	4822	051	20471	470R	5%	0,1W
3420	4822	051	20104	100k	5%	0,1W	3952	4822	051	20104	100k	5%	0,1W
3800	4822	051	10102	1k	2%	0,25W	3953	4822	051	20104	100k	5%	0,1W
3801	4822	051	20153	15k	5%	0,1W	3954	4822	051	20222	2k2	5%	0,1W
3802	4822	051	20153	15k	5%	0,1W	3955	4822	051	10102	1k	2%	0,25W
3803	4822	051	20153	15k	5%	0,1W	3956	4822	051	20821	820R	5%	0,1W
3805	4822	051	20103	10k	5%	0,1W	3961	4822	116	83226	12k	2%	0,1W
3810	4822	100	11733	20k	TRIM POT	SMD	3962	4822	051	20104	100k	5%	0,1W
3822	4822	051	20152	1k5	5%	0,1W	3963	4822	116	83225	1k5	2%	0,1W
3823	4822	051	20472	4k7	5%	0,1W							

CAPACITORS

2250	4822	124	42236	22uF	20%	6,3V	2272	4822	126	11692	1uF		
2254	4822	124	42238	4,7uF	20%	25V	2300	4822	124	42241	100uF	20%	6,3V
2260	4822	124	42242	330uF	20%	6,3V	2303	4822	124	42241	100uF	20%	6,3V

CAPACITORS

2309	4822	124	42236	22uF	20%	6,3V	2800	4822	122	33064	330nF	20%	25V
2310	4822	124	42236	22uF	20%	6,3V	2802	4822	124	42237	47uF	20%	6,3V
2313	4822	122	10177	10nF	20%	25V	2806	4822	121	42408	220nF	5%	63V
2331	5322	122	33446	3,3nF	10%	63V	2831	4822	124	42234	100uF	20%	6,3V
2332	5322	122	33446	3,3nF	10%	63V	2836	4822	126	11691	150nF	10%	
2333	4822	126	11692	1uF			2841	4822	126	11725	1uF	20%	5V
2334	4822	126	11692	1uF			2852	4822	122	33064	330nF	20%	25V
2340	4822	124	42236	22uF	20%	6,3V	2856	4822	124	42236	22uF	20%	6,3V
2345	4822	124	42239	1uF	20%	50V	2861	4822	124	42234	100uF	20%	6,3V
2346	4822	124	42238	4,7uF	20%	25V	2865	4822	124	42238	4,7uF	20%	25V
2347	4822	122	33064	330nF	20%	25V	2890	4822	124	42236	22uF	20%	6,3V
2351	4822	122	33064	330nF	20%	25V	2901	4822	124	42238	4,7uF	20%	25V
2352	4822	122	33064	330nF	20%	25V	2902	4822	124	42238	4,7uF	20%	25V
2355	4822	124	42236	22uF	20%	6,3V	2903	4822	124	42239	1uF	20%	50V
2356	4822	124	42236	22uF	20%	6,3V	2904	4822	124	42239	1uF	20%	50V
2359	4822	124	42235	220uF	20%	4V	2912	4822	126	11692	1uF		
2360	4822	124	42235	220uF	20%	4V	2915	4822	126	11692	1uF		
2370	4822	124	42237	47uF	20%	6,3V	2960	4822	124	42242	330uF	20%	6,3V
2410	4822	126	11692	1uF									

CHIP CAPACITORS

2251	4822	122	33496	100nF	10%	63V	2839	4822	122	31971	10pF	10%	50V
2253	4822	122	33496	100nF	10%	63V	2840	4822	122	31727	470pF	5%	63V
2255	4822	122	31971	10pF	10%	50V	2850	4822	122	33496	100nF	10%	63V
2256	4822	122	32442	10nF	10%	50V	2851	4822	122	31644	2,2nF	10%	63V
2270	4822	122	33496	100nF	10%	63V	2853	4822	122	32542	47nF	10%	63V
2301	4822	122	33496	100nF	10%	63V	2854	4822	122	31784	4,7nF	10%	50V
2305	4822	122	31916	5,6nF	10%	63V	2855	4822	122	32542	47nF	10%	63V
2306	4822	122	31916	5,6nF	10%	63V	2857	4822	122	32142	270pF	5%	63V
2307	4822	122	33496	100nF	10%	63V	2858	4822	122	32542	47nF	10%	63V
2308	4822	122	33496	100nF	10%	63V	2859	4822	122	32542	47nF	10%	63V
2311	5322	122	31647	1nF	10%	63V	2860	4822	122	33496	100nF	10%	63V
2312	5322	122	31647	1nF	10%	63V	2862	4822	122	32542	47nF	10%	63V
2353	4822	122	33496	100nF	10%	63V	2863	4822	122	33496	100nF	10%	63V
2354	4822	122	33496	100nF	10%	63V	2864	4822	122	32442	10nF	10%	50V
2401	4822	122	33496	100nF	10%	63V	2866	4822	122	31784	4,7nF	10%	50V
2801	4822	122	31797	22nF	10%	63V	2867	4822	122	32765	820pF	10%	63V
2803	4822	122	31916	5,6nF	10%	63V	2910	5322	122	31647	1nF	10%	63V
2804	4822	122	31769	18pF	5%	50V	2911	4822	124	10965	2,2uF	20%	6,3V
2805	4822	122	32891	68nF	10%	63V	2913	4822	124	10965	2,2uF	20%	6,3V
2808	4822	122	32142	270pF	5%	63V	2914	4822	122	33496	100nF	10%	63V
2811	4822	122	33496	100nF	10%	63V	2916	4822	124	10965	2,2uF	20%	6,3V
2830	4822	122	33496	100nF	10%	63V	2951	4822	122	33496	100nF	10%	63V
2832	4822	122	33496	100nF	10%	63V	2952	4822	122	31644	2,2nF	10%	63V
2833	4822	122	32442	10nF	10%	50V	2953	5322	122	31647	1nF	10%	63V
2834	4822	122	33496	100nF	10%	63V	2954	5322	122	31647	1nF	10%	63V
2835	4822	122	31727	470pF	5%	63V	2955	5322	122	31647	1nF	10%	63V
2838	4822	122	31644	2,2nF	10%	63V	2961	4822	122	33496	100nF	10%	63V